Eureka Math Vocabulary 4th Grade

Module 6

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decimal expanded form

a way to write a number showing the value of each digit

$$2.4 = \underbrace{1 \quad 1}_{} + \underbrace{0.1 \quad 0.1 \quad 0.1 \quad 0.1}_{}$$

$$2.4 = (2 \times 1) + (4 \times 0.1)$$

6

decimal fraction

fraction with a denominator of 10, 100, 1,000, etc.

$$0.\textcolor{red}{1} = \frac{1}{\textcolor{red}{10}} \qquad 0.0\textcolor{red}{1} = \frac{1}{\textcolor{red}{100}} \qquad 0.00\textcolor{red}{1} = \frac{1}{\textcolor{red}{1000}}$$

6

decimal number

number written using place value units that are powers of 10

Ones			Decimals		
hundreds	tens	ones	tenths	hundredths	thousandths
		2.	0	2	4

6

decimal point

Period used to separate the whole number part from the fractional part of a decimal number

2.024

6

fraction expanded form

a way to write a number showing the value of each digit

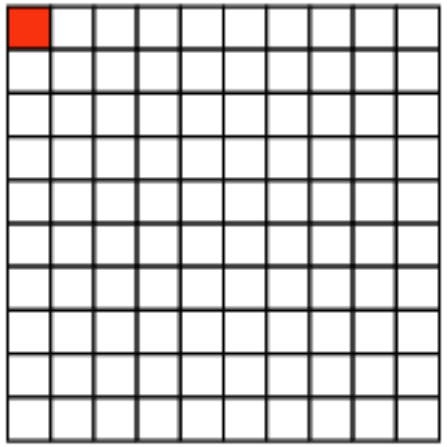
2 ones 4 tenths = $\left[1 \quad 1\right] + \left[\frac{1}{10} \quad \frac{1}{10} \quad \frac{1}{10} \quad \frac{1}{10}\right]$

$$2\frac{4}{10} = (2 \times 1) + (4 \times \frac{1}{10})$$

6

hundredth

place value unit such that 100 hundredths equals 1 one



0.01

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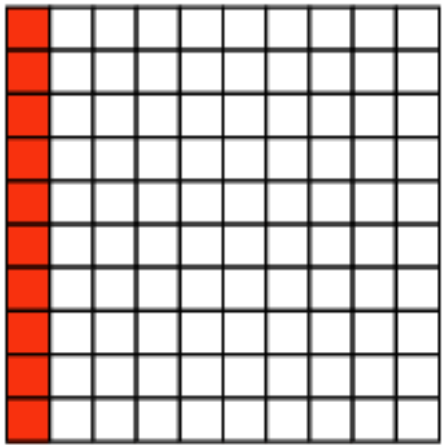
tenth

place value unit such that
10 tenths equals 1 one



0.1

6

expanded form

a way to write a number showing the value of each digit

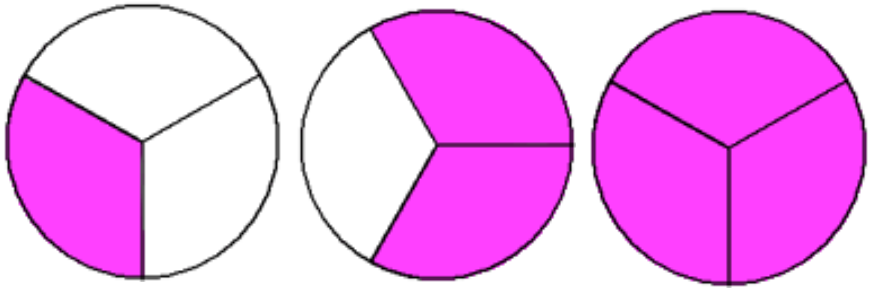
100 + 30 + 5 = 135

6

fraction

numerical quantity that is not a whole number

$\frac{1}{3}, \frac{2}{3}, \frac{3}{3}$



6